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RAW SEQUENCE LISTING

DATE: 10/09/2001

PATENT APPLICATION: US/09/808,382

TIME: 09:53:34

Input Set : A:\14418.asc

Output Set: N:\CRF3\10092001\I808382.raw

4 <110> APPLICANT: Reubinoff, Benjamin E.
5 Pera, Martin F.
6 Ben-Hur, Tamir
8 <120> TITLE OF INVENTION: EMBRYONIC STEM CELLS AND NEURAL PROGENITOR CELLS
9 DERIVED THEREFROM
11 <130> FILE REFERENCE: 14418
13 <140> CURRENT APPLICATION NUMBER: 09/808,382
14 <141> CURRENT FILING DATE: 2001-03-14
16 <160> NUMBER OF SEQ ID NOS: 22
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 23
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence ✓
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence:PAX-6 forward ✓
27 primer
29 <400> SEQUENCE: 1
30 aacagacaca gccctcaca aca 23
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36 <212> TYPE: DNA
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39 <220> FEATURE:
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44 cgggaacttg aactggaact gac 23
48 <210> SEQ ID NO: 3
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50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence ✓
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence:nestin forward ✓
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57 <400> SEQUENCE: 3
58 cagctggcgc acctcaagat g 21
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 23
64 <212> TYPE: DNA
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67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence:nestin reverse ✓
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71 <400> SEQUENCE: 4
72 agggagttg ggctcaggac tgg 23
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77 <211> LENGTH: 22
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence:Oct-4 forward ✓
83     primer
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86 cggttctcttt ggaaaggtgt tc                22
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence:Oct-4 reverse ✓
97     primer
99 <400> SEQUENCE: 6
100 acactcggac cacgtctttc                20
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence:beta-actin ✓
111     forward primer
113 <400> SEQUENCE: 7
114 cgcaccactg gcattgtcat                20
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 20
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence:beta-actin ✓
125     reverse primer
127 <400> SEQUENCE: 8
128 ttctccttga tgtcacgcac                20
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133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
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139     primer
141 <400> SEQUENCE: 9
142 tgaagcctag cctgtcacct                20
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147 <211> LENGTH: 20
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149 <213> ORGANISM: Artificial Sequence
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152 <223> OTHER INFORMATION: Description of Artificial Sequence:CD-34 reverse
153     primer
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156 cgcacagctg gaggtcttat                                20
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 20
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence:FLK-1 forward ✓
167     primer
169 <400> SEQUENCE: 11
170 ggtattggca gttggaggaa                                20
174 <210> SEQ ID,NO: 12
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
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181     primer
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184 acatttgccg cttggataac                                20
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189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence:Hnf-3 forward ✓
195     primer
197 <400> SEQUENCE: 13
198 gagtttacag gcttgtggca                                20
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence:Hnf-3 reverse ✓
209     primer
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218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence:AFP forward ✓
223     primer
225 <400> SEQUENCE: 15
226 ccatgtacat gagcactggt g                                21

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230 <210> SEQ ID NO: 16
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236 <223> OTHER INFORMATION: Description of Artificial Sequence:AFP reverse ✓
237     primer
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240 ctccaataac tcctgctatc c                                21
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence:transferin ✓
251     forward primer
253 <400> SEQUENCE: 17
254 ctgacctcac ctgggacaat                                20
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259 <211> LENGTH: 20
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence ✓
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence:transferin ✓
265     reverse primer
267 <400> SEQUENCE: 18
268 ccatcaaggc acagcaactc                                20
272 <210> SEQ ID NO: 19
273 <211> LENGTH: 20
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence ✓
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Artificial Sequence:GFAP forward ✓
279     primer
281 <400> SEQUENCE: 19
282 tcatcgctca ggaggtcctt                                20
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence ✓
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence:GFAP reverse ✓
293     primer
295 <400> SEQUENCE: 20
296 ctgttgccag agatggaggt t                                21
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence

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305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial Sequence:plp forward
307 primer
309 <400> SEQUENCE: 21
310 ccatgccttc cagtatgtca tc 22
314 <210> SEQ ID NO: 22
315 <211> LENGTH: 25
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence ✓
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial Sequence:plp reverse ✓
321 primer
323 <400> SEQUENCE: 22
324 gtggtccagg tggtgaagta aatgt 25

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